SIGGRAPH 2001

FUNDAMENTALS SEMINAR

FUNDAMENTALS SEMINAR

Michael J. Bailey
San Diego Supercomputing Center & University of California at San Diego

Wayne E. Carlson
Advanced Computing Center for Arts & Design (ACCAD) at the Ohio State University

Jackie White
College of Arts and Letters
California State University, Los Angeles

Barb Helfer
Advanced Computing Center for Arts & Design (ACCAD) at the Ohio State University

---

FUNDAMENTALS SEMINAR

Goals for the day:

- An accessible introduction to computer graphics *jargon*, concepts, techniques, technologies and applications.

- SIGGRAPH - the organization, conference, and volunteering

- Pathfinders - assistance in navigating the conference

FUNDAMENTALS SEMINAR

- Computer Graphics Applications (Jackie White)

- Graphics Systems Software (Wayne Carlson)

- Graphics Systems Hardware (Mike Bailey)

- SIGGRAPH (Jackie White)

- Pathfinders (Barb Helfer)

FUNDAMENTALS SEMINAR

Special Thanks to:

- SIGGRAPH 2001
  - Lynn Pocock, Conference Chair
  - Lou Harrison, Courses Chair
- SIGGRAPH Contributors & Collections
  - Slide Collections
  - Media trailer, video clips
- Other Slide & Video Contributors

FUNDAMENTALS SEMINAR

Michael J. Bailey
San Diego Supercomputing Center & University of California at San Diego

Wayne E. Carlson
Advanced Computing Center for Arts & Design (ACCAD) at the Ohio State University

Jackie White
College of Arts and Letters
California State University, Los Angeles

Barb Helfer
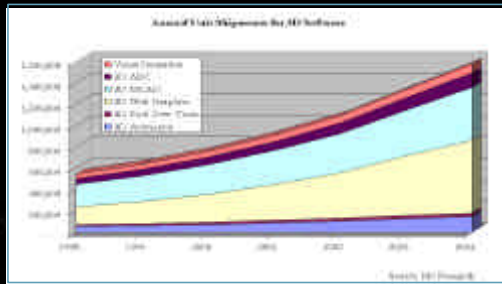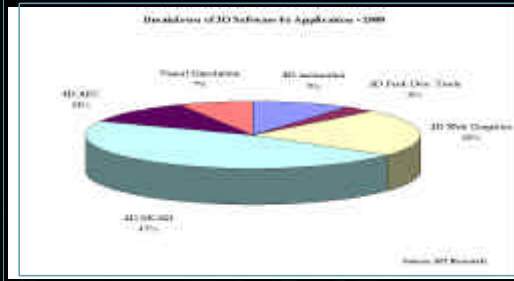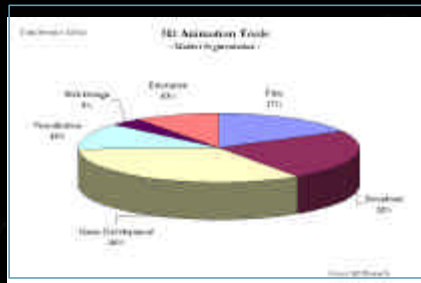Advanced Computing Center for Arts & Design (ACCAD) at the Ohio State University

Current 3D Software Trends

3D Software Application Breakdown

Animation Segment

Animation

A collection of autonomous rovers and space vehicles that may be part of the scientific exploration of Mars
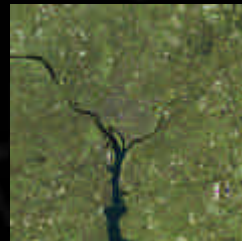©2000 Jet Propulsion Laboratory
California Institute of Technology

Animation

Wild Jungle - Motion ride ©2000
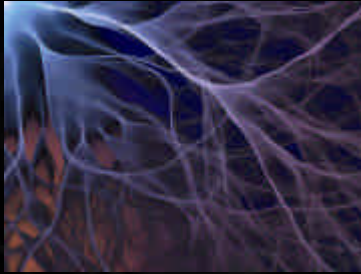Shinji Torigoe, Shingo Yasumaru
SEGA Corporation

Animation - Scientific Visualization
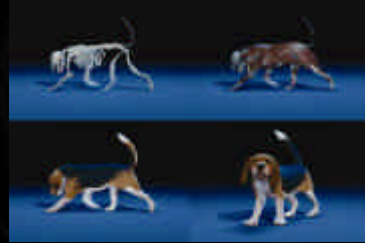

Capitol Zoom ©2000
Gregory W. Shirah, NASA/GSFC
Scientific Visualization Studio

Art
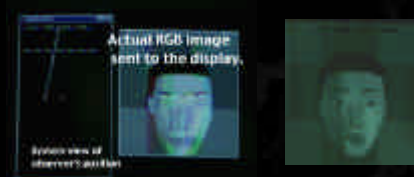
Transport VI ©2000
Eric Heller

Modeling

Skinning Cats and Dogs Using Muscle Deformations ©2000
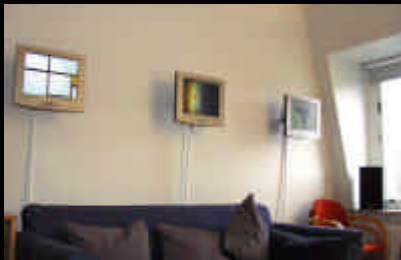Rhythm & Hues Studios

Lighting

Light Stage 2.0 ©2000
Institute for Creative Technologies

Stereoscopy

Autostereoscopic image of a virtual face ©2000
Ken Perlin, Salvatore Paxia, Joel S. Kollin
Media Research Laboratory, Dept. of Computer Science
New York University

Interactive

Informative Art ©2000
PLAY - Interactive Institute

Education

Danny Chung
Robert Negrete
Los Angeles County High School for the Arts